

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:54:00 ON 06 FEB 2005

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,  
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 11:54:17 ON 06 FEB 2005  
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s cgmp or cyclic gmp

FILE 'MEDLINE'

12626 CGMP

135350 CYCLIC

21364 GMP

18859 CYCLIC GMP

(CYCLIC(W)GMP)

L1 22717 CGMP OR CYCLIC GMP

FILE 'SCISEARCH'

12584 CGMP

156229 CYCLIC

12465 GMP

9148 CYCLIC GMP

(CYCLIC(W)GMP)

L2 18587 CGMP OR CYCLIC GMP

FILE 'LIFESCI'

3033 CGMP

26427 "CYCLIC"

3856 "GMP"

2905 CYCLIC GMP

("CYCLIC" (W) "GMP")

L3 4380 CGMP OR CYCLIC GMP

FILE 'BIOTECHDS'

139 CGMP

2676 CYCLIC

258 GMP

57 CYCLIC GMP

(CYCLIC(W)GMP)

L4 179 CGMP OR CYCLIC GMP

FILE 'BIOSIS'

16552 CGMP

163734 CYCLIC

27774 GMP

23650 CYCLIC GMP

(CYCLIC(W)GMP)

L5 28227 CGMP OR CYCLIC GMP

FILE 'EMBASE'

11917 CGMP

122770 "CYCLIC"

21400 "GMP"

18932 CYCLIC GMP

("CYCLIC" (W) "GMP")

L6 21769 CGMP OR CYCLIC GMP

FILE 'HCAPLUS'  
19979 CGMP  
285318 CYCLIC  
14241 GMP  
7652 CYCLIC GMP  
(CYCLIC(W)GMP)  
L7 23469 CGMP OR CYCLIC GMP

FILE 'NTIS'  
78 CGMP  
10631 CYCLIC  
162 GMP  
44 CYCLIC GMP  
(CYCLIC(W)GMP)  
L8 107 CGMP OR CYCLIC GMP

FILE 'ESBIOBASE'  
10030 CGMP  
25010 CYCLIC  
3016 GMP  
2196 CYCLIC GMP  
(CYCLIC(W)GMP)  
L9 11013 CGMP OR CYCLIC GMP

FILE 'BIOTECHNO'  
3437 CGMP  
34240 CYCLIC  
5024 GMP  
4150 CYCLIC GMP  
(CYCLIC(W)GMP)  
L10 5063 CGMP OR CYCLIC GMP

FILE 'WPIDS'  
563 CGMP  
80210 CYCLIC  
402 GMP  
122 CYCLIC GMP  
(CYCLIC(W)GMP)  
563 CGMP  
651 CYCLIC GMP  
L11 651 CGMP OR CYCLIC GMP

TOTAL FOR ALL FILES  
L12 136162 CGMP OR CYCLIC GMP

=> s l12(10a)(detect? or indicat?)

FILE 'MEDLINE'  
868231 DETECT?  
1308727 INDICAT?  
L13 1089 L1 (10A) (DETECT? OR INDICAT?)

FILE 'SCISEARCH'  
967393 DETECT?  
1259430 INDICAT?  
L14 1001 L2 (10A) (DETECT? OR INDICAT?)

FILE 'LIFESCI'  
261408 DETECT?  
394078 INDICAT?  
L15 341 L3 (10A) (DETECT? OR INDICAT?)

FILE 'BIOTECHDS'  
58890 DETECT?  
32021 INDICAT?

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L16          11 L4 (10A) (DETECT? OR INDICAT?)

FILE 'BIOSIS'
    960595 DETECT?
    1273615 INDICAT?
L17          1141 L5 (10A) (DETECT? OR INDICAT?)

FILE 'EMBASE'
    809131 DETECT?
    1233436 INDICAT?
L18          1424 L6 (10A) (DETECT? OR INDICAT?)

FILE 'HCAPLUS'
    1434764 DETECT?
    1947872 INDICAT?
L19          1167 L7 (10A) (DETECT? OR INDICAT?)

FILE 'NTIS'
    136052 DETECT?
    153144 INDICAT?
L20          3 L8 (10A) (DETECT? OR INDICAT?)

FILE 'ESBIOBASE'
    316746 DETECT?
    498041 INDICAT?
L21          640 L9 (10A) (DETECT? OR INDICAT?)

FILE 'BIOTECHNO'
    290318 DETECT?
    331366 INDICAT?
L22          397 L10(10A) (DETECT? OR INDICAT?)

FILE 'WPIDS'
    994101 DETECT?
    397613 INDICAT?
L23          22 L11(10A) (DETECT? OR INDICAT?)

TOTAL FOR ALL FILES
L24          7236 L12(10A) (DETECT? OR INDICAT?)

=> s l24 and (fluorescen? or fret)
FILE 'MEDLINE'
    285760 FLUORESCEN?
    1094 FRET
L25          55 L13 AND (FLUORESCEN? OR FRET)

FILE 'SCISEARCH'
    227458 FLUORESCEN?
    1774 FRET
L26          32 L14 AND (FLUORESCEN? OR FRET)

FILE 'LIFESCI'
    54390 FLUORESCEN?
    317 FRET
L27          6 L15 AND (FLUORESCEN? OR FRET)

FILE 'BIOTECHDS'
    15302 FLUORESCEN?
    230 FRET
L28          2 L16 AND (FLUORESCEN? OR FRET)

FILE 'BIOSIS'
    227233 FLUORESCEN?
    1464 FRET

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L29          41 L17 AND (FLUORESCEN? OR FRET)

FILE 'EMBASE'
    161793 FLUORESCEN?
    941 FRET
L30          42 L18 AND (FLUORESCEN? OR FRET)

FILE 'HCAPLUS'
    387587 FLUORESCEN?
    2135 FRET
L31          43 L19 AND (FLUORESCEN? OR FRET)

FILE 'NTIS'
    15513 FLUORESCEN?
    22 FRET
L32          0 L20 AND (FLUORESCEN? OR FRET)

FILE 'ESBIOBASE'
    74530 FLUORESCEN?
    892 FRET
L33          21 L21 AND (FLUORESCEN? OR FRET)

FILE 'BIOTECHNO'
    68737 FLUORESCEN?
    397 FRET
L34          17 L22 AND (FLUORESCEN? OR FRET)

FILE 'WPIDS'
    77201 FLUORESCEN?
    1216 FRET
L35          4 L23 AND (FLUORESCEN? OR FRET)

TOTAL FOR ALL FILES
L36          263 L24 AND (FLUORESCEN? OR FRET)

=> s l36 not 2001-2005/py
FILE 'MEDLINE'
    2246702 2001-2005/PY
L37          37 L25 NOT 2001-2005/PY

FILE 'SCISEARCH'
    4134772 2001-2005/PY
L38          17 L26 NOT 2001-2005/PY

FILE 'LIFESCI'
    398984 2001-2005/PY
L39          3 L27 NOT 2001-2005/PY

FILE 'BIOTECHDS'
    90891 2001-2005/PY
L40          0 L28 NOT 2001-2005/PY

FILE 'BIOSIS'
    2054086 2001-2005/PY
L41          25 L29 NOT 2001-2005/PY

FILE 'EMBASE'
    1931648 2001-2005/PY
L42          28 L30 NOT 2001-2005/PY

FILE 'HCAPLUS'
    4238071 2001-2005/PY
L43          19 L31 NOT 2001-2005/PY

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FILE 'NTIS'  
58783 2001-2005/PY  
L44 0 L32 NOT 2001-2005/PY

FILE 'ESBIOBASE'  
1179427 2001-2005/PY  
L45 9 L33 NOT 2001-2005/PY

FILE 'BIOTECHNO'  
368875 2001-2005/PY  
L46 12 L34 NOT 2001-2005/PY

FILE 'WPIDS'  
3843967 2001-2005/PY  
L47 0 L35 NOT 2001-2005/PY

TOTAL FOR ALL FILES  
L48 150 L36 NOT 2001-2005/PY

=> dup rem l48  
PROCESSING COMPLETED FOR L48  
L49 53 DUP REM L48 (97 DUPLICATES REMOVED)

=> d tot

L49 ANSWER 1 OF 53 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 1  
TI NO inhibits stretch-induced MAPK activity by cytoskeletal disruption.  
SO Journal of Biological Chemistry, (22 Dec 2000) 275/51 (40301-40306).  
Refs: 47  
ISSN: 0021-9258 CODEN: JBCHA3  
AU Ingram A.J.; James L.; Cai L.; Thai K.; Ly H.; Scholey J.W.  
AN 2001032988 EMBASE

L49 ANSWER 2 OF 53 MEDLINE on STN DUPLICATE 2  
TI **Fluorescent indicators** for **cyclic**  
**GMP** based on **cyclic GMP**-dependent protein  
kinase Ialpha and green **fluorescent** proteins.  
SO Analytical chemistry, (2000 Dec 15) 72 (24) 5918-24.  
Journal code: 0370536. ISSN: 0003-2700.  
AU Sato M; Hida N; Ozawa T; Umezawa Y  
AN 2001091683 MEDLINE

L49 ANSWER 3 OF 53 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
TI Design of **fluorescent indicators** for **cGMP**  
SO BIOPHYSICAL JOURNAL, (JAN 2000) Vol. 78, No. 1, Part 2, pp. P0884-P0884.  
Publisher: BIOPHYSICAL SOCIETY, 9650 ROCKVILLE PIKE, BETHESDA, MD  
20814-3998.  
ISSN: 0006-3495.  
AU Honda A (Reprint); Ellenberger C L; Adams S R; Cho C Y; Tsien R Y;  
Dostmann W R G  
AN 2000:110426 SCISEARCH

L49 ANSWER 4 OF 53 MEDLINE on STN DUPLICATE 3  
TI Cyclic GMP evoked calcium transients in olfactory receptor cell growth  
cones.  
SO Neuroreport, (2000 Mar 20) 11 (4) 677-81.  
Journal code: 9100935. ISSN: 0959-4965.  
AU Kafitz K W; Leinders-Zufall T; Zufall F; Greer C A  
AN 2000218425 MEDLINE

L49 ANSWER 5 OF 53 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN DUPLICATE 4

TI Characterization of the human herpesvirus 8 (Kaposi's sarcoma-associated  
 herpesvirus) oncogene, Kaposin (ORF K12)  
 SO JOURNAL OF CLINICAL VIROLOGY, (MAY 2000) Vol. 16, No. 3, pp. 203-213.  
 Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,  
 NETHERLANDS.  
 ISSN: 1386-6532.  
 AU Muralidhar S; Veyttsmann G; Chandran B; Ablashi D; Doniger J; Rosenthal L J  
 (Reprint)  
 AN 2000:299136 SCISEARCH

L49 ANSWER 6 OF 53 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 TI Design of **fluorescent indicators** for **cGMP**.  
 SO Biophysical Journal, (Jan., 2000) Vol. 78, No. 1 Part 2, pp. 150A. print.  
 Meeting Info.: 44th Annual Meeting of the Biophysical Society. New  
 Orleans, Louisiana, USA. February 12-16, 2000.  
 CODEN: BIOJAU. ISSN: 0006-3495.  
 AU Honda, Akira; Ellenberger, Carolyn L.; Adams, Stephen R. [Reprint author];  
 Cho, Charles Y. [Reprint author]; Tsien, Roger Y. [Reprint author];  
 Dostmann, Wolfgang R.G.  
 AN 2000:135423 BIOSIS

L49 ANSWER 7 OF 53 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 TI Separation of cyclic-adenosine monophosphate (cAMP) and cyclic-guanosine  
 monophosphate (**cGMP**) by capillary zone electrophoresis with  
 indirect laser-induced **fluorescence detection**  
 SO CHINESE JOURNAL OF ANALYTICAL CHEMISTRY, (JUN 1999) Vol. 27, No. 6, pp.  
 694-696.  
 Publisher: FENXI HUAXUE, 159 RENMIN ST, CHANGCHUN 130022, PEOPLES R CHINA.  
 ISSN: 0253-3820.  
 AU Chen Y (Reprint); Yang X; Han F M  
 AN 1999:520316 SCISEARCH

L49 ANSWER 8 OF 53 MEDLINE on STN  
 TI Nitric oxide donors selectively potentiate thrombin-stimulated p70(S6k)  
 activity and morphological changes in Swiss 3T3 cells.  
 SO Biochemical and biophysical research communications, (1999 Dec 20) 266 (2)  
 352-60.  
 Journal code: 0372516. ISSN: 0006-291X.  
 AU Berven L A; Frew I J; Crouch M F  
 AN 2000068770 MEDLINE

L49 ANSWER 9 OF 53 MEDLINE on STN DUPLICATE 6  
 TI A fluorometric assay for cyclic guanosine 3',5'-monophosphate  
 incorporating a Sep-Pak cartridge and enzymatic cycling.  
 SO Analytical biochemistry, (1999 Aug 1) 272 (2) 243-9.  
 Journal code: 0370535. ISSN: 0003-2697.  
 AU Seya K; Furukawa K I; Motomura S  
 AN 1999345871 MEDLINE

L49 ANSWER 10 OF 53 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.  
 on STN  
 TI Nitric oxide modulates endothelin 1-induced Ca<sup>2+</sup> mobilization and  
 cytoskeletal F-actin filaments in human cerebromicrovascular endothelial  
 cells.  
 SO Journal of Cerebral Blood Flow and Metabolism, (1999) 19/2 (133-138).  
 Refs: 28  
 ISSN: 0271-678X CODEN: JCBMDN  
 AU Chen Y.; McCarron R.M.; Bembry J.; Ruetzler C.; Azzam N.; Lenz F.A.; Spatz  
 M.  
 AN 1999215063 EMBASE

L49 ANSWER 11 OF 53 MEDLINE on STN

TI Analysis and regulation of vasodilator-stimulated phosphoprotein serine  
 239 phosphorylation in vitro and in intact cells using a phosphospecific  
 monoclonal antibody.  
 SO Journal of biological chemistry, (1998 Aug 7) 273 (32) 20029-35.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 AU Smolenski A; Bachmann C; Reinhard K; Honig-Liedl P; Jarchau T; Hoschuetzky  
 H; Walter U  
 AN 1998352028 MEDLINE

L49 ANSWER 12 OF 53 MEDLINE on STN DUPLICATE 7  
 TI The role of cyclic guanylate monophosphate in nitric oxide-induced injury  
 to rat small intestinal epithelial cells.  
 SO Journal of pharmacology and experimental therapeutics, (1998 Mar) 284 (3)  
 929-33.  
 Journal code: 0376362. ISSN: 0022-3565.  
 AU Tepperman B L; Abrahamson T D; Soper B D  
 AN 1998173732 MEDLINE

L49 ANSWER 13 OF 53 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI NO-dependent **cyclic GMP** production in cerebellar  
 purkinje cells **detected** by a novel **fluorescent** imaging  
 method  
 SO Portland Press Proceedings (1998), 15(Biology of Nitric Oxide, Part 6),  
 103  
 CODEN: POPPEF; ISSN: 0966-4068  
 AU Okada, D.; Hartell, N. A.  
 AN 1998:367082 HCAPLUS  
 DN 129:158653

L49 ANSWER 14 OF 53 MEDLINE on STN DUPLICATE 8  
 TI cGMP inhibits IP3-induced Ca<sup>2+</sup> release in intact rat megakaryocytes via  
 cGMP- and cAMP-dependent protein kinases.  
 SO Journal of physiology, (1998 Oct 1) 512 ( Pt 1) 89-96.  
 Journal code: 0266262. ISSN: 0022-3751.  
 AU Tertyshnikova S; Yan X; Fein A  
 AN 1998399980 MEDLINE

L49 ANSWER 15 OF 53 MEDLINE on STN  
 TI Localization of soluble guanylate cyclase activity in the guinea pig  
 cochlea suggests involvement in regulation of blood flow and supporting  
 cell physiology.  
 SO journal of histochemistry and cytochemistry : official journal of the  
 Histochemistry Society, (1997 Oct) 45 (10) 1401-8.  
 Journal code: 9815334. ISSN: 0022-1554.  
 AU Fessenden J D; Schacht J  
 AN 97459026 MEDLINE

L49 ANSWER 16 OF 53 HCAPLUS COPYRIGHT 2005 ACS on STN  
 TI High-performance liquid-chromatographic determination of guanosine  
 3',5'-cyclic monophosphate in human urine with **fluorescence**  
 detection using 3,4-dimethoxyphenylglyoxal  
 SO Analytical Sciences (1997), 13(3), 469-472  
 CODEN: ANSCEN; ISSN: 0910-6340  
 AU Ohba, Yoshihito; Kai, Masaaki; Ohkura, Yosuke; Zaitzu, Kyoshi  
 AN 1997:391258 HCAPLUS  
 DN 127:119146

L49 ANSWER 17 OF 53 MEDLINE on STN DUPLICATE 9  
 TI Glucose elevations alter bradykinin-stimulated intracellular calcium  
 accumulation in cultured endothelial cells.  
 SO Cardiovascular research, (1997 Apr) 34 (1) 169-78.  
 Journal code: 0077427. ISSN: 0008-6363.  
 AU Pieper G M; Dondlinger L  
 AN 97360924 MEDLINE

L49 ANSWER 18 OF 53 MEDLINE on STN  
 TI Nitric oxide synthase and cGMP in the anterior pituitary gland: effect of a GnRH antagonist and nitric oxide donors.  
 SO Neuroendocrinology, (1997 Feb) 65 (2) 147-56.  
 Journal code: 0035665. ISSN: 0028-3835.  
 AU Yamada K; Xu Z Q; Zhang X; Gustafsson L; Hulting A L; de Vente J; Steinbusch H W; Hokfelt T  
 AN 97220831 MEDLINE

L49 ANSWER 19 OF 53 MEDLINE on STN DUPLICATE 10  
 TI A cyclic GMP-dependent housekeeping Cl<sup>-</sup> channel in rabbit gastric parietal cells activated by a vasodilator ecabapide.  
 SO British journal of pharmacology, (1996 Dec) 119 (8) 1591-9.  
 Journal code: 7502536. ISSN: 0007-1188.  
 AU Sakai H; Ikari A; Kumano E; Takeguchi N  
 AN 97137156 MEDLINE

L49 ANSWER 20 OF 53 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN DUPLICATE 11  
 TI Nitric oxide induces upregulation of Fas and apoptosis in vascular smooth muscle.  
 SO Hypertension (Dallas), (1996) Vol. 27, No. 3 PART 2, pp. 823-826.  
 CODEN: HPRTDN. ISSN: 0194-911X.  
 AU Fukuo, Keisuke [Reprint author]; Hata, Shigeki; Suhara, Toshimitsu; Nakahashi, Takeshi; Shinto, Yoshitaka; Tsujimoto, Yoshihide; Morimoto, Shigeto; Ogiwara, Toshio  
 AN 1996:183092 BIOSIS

L49 ANSWER 21 OF 53 MEDLINE on STN  
 TI Two distinct Ca<sup>2+</sup> influx pathways activated by the bradykinin B2 receptor.  
 SO European journal of biochemistry / FEBS, (1996 Oct 15) 241 (2) 498-506.  
 Journal code: 0107600. ISSN: 0014-2956.  
 AU Abdalla S; Muller-Esterl W; Quittner U  
 AN 97075021 MEDLINE

L49 ANSWER 22 OF 53 MEDLINE on STN DUPLICATE 12  
 TI Activation of the nitric oxide/cGMP pathway is required for refilling intracellular Ca<sup>2+</sup> stores in a sympathetic neuron cell line.  
 SO Cell calcium, (1996 May) 19 (5) 399-407.  
 Journal code: 8006226. ISSN: 0143-4160.  
 AU Harrington M A; Thompson S H  
 AN 96385322 MEDLINE

L49 ANSWER 23 OF 53 MEDLINE on STN  
 TI Distribution of nitric oxide synthase-immunoreactive nerves and identification of the cellular targets of nitric oxide in guinea-pig and human urinary bladder by cGMP immunohistochemistry.  
 SO Neuroscience, (1996 Mar) 71 (2) 337-48.  
 Journal code: 7605074. ISSN: 0306-4522.  
 AU Smet P J; Jonavicius J; Marshall V R; de Vente J  
 AN 96236109 MEDLINE

L49 ANSWER 24 OF 53 MEDLINE on STN DUPLICATE 13  
 TI Techniques for measurement of nitric oxide in biological systems: principles and practice.  
 SO Nippon yakurigaku zasshi. Japanese journal of pharmacology, (1996 Apr) 107 (4) 173-82. Ref: 41  
 Journal code: 0420550. ISSN: 0015-5691.  
 AU Yamamura T  
 AN 96250486 MEDLINE

L49 ANSWER 25 OF 53 MEDLINE on STN DUPLICATE 14  
 TI cGMP prevents delayed relaxation at reoxygenation after brief hypoxia in



isolated cardiac myocytes.

SO American journal of physiology, (1995 Jun) 268 (6 Pt 2) H2396-204.  
Journal code: 0370511. ISSN: 0002-9513.

AU Shah A M; Silverman H S; Griffiths E J; Spurgeon H A; Lakatta E G  
AN 95335901 MEDLINE

L49 ANSWER 26 OF 53 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
on STN

TI CGMP PREVENTS DELAYED RELAXATION AT REOXYGENATION AFTER BRIEF HYPOXIA IN  
ISOLATED CARDIAC MYOCYTES

SO AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, (JUN  
1995) Vol. 37, No. 6, pp. H2396-H2404.  
ISSN: 0363-6135.

AU SHAH A M (Reprint); SILVERMAN H S; GRIFFITHS E J; SPURGEON H A; LAKATTA E  
G

AN 95:449036 SCISEARCH

L49 ANSWER 27 OF 53 MEDLINE on STN DUPLICATE 15

TI 8-bromo-cGMP reduces the myofilament response to Ca<sup>2+</sup> in intact cardiac  
myocytes.

SO Circulation research, (1994 May) 74 (5) 970-8.  
Journal code: 0047103. ISSN: 0009-7330.

AU Shah A M; Spurgeon H A; Sollott S J; Talo A; Lakatta E G

AN 94208112 MEDLINE

L49 ANSWER 28 OF 53 MEDLINE on STN DUPLICATE 16

TI Escherichia coli endotoxin inhibits agonist-mediated cytosolic Ca<sup>2+</sup>  
mobilization and nitric oxide biosynthesis in cultured endothelial cells.

SO Circulation research, (1994 Oct) 75 (4) 659-68.  
Journal code: 0047103. ISSN: 0009-7330.

AU Graier W F; Myers P R; Rubin L J; Adams H R; Parker J L

AN 95008048 MEDLINE

L49 ANSWER 29 OF 53 MEDLINE on STN

TI Identification and possible localization of cGMP-dependent protein kinase  
in bovine aortic endothelial cells.

SO Biochemical and biophysical research communications, (1994 Jun 15) 201 (2)  
531-7.  
Journal code: 0372516. ISSN: 0006-291X.

AU MacMillan-Crow L A; Murphy-Ullrich J E; Lincoln T M

AN 94271198 MEDLINE

L49 ANSWER 30 OF 53 MEDLINE on STN DUPLICATE 17

TI Diffusion coefficient of cyclic GMP in salamander rod outer segments  
estimated with two **fluorescent** probes.

SO Biophysical journal, (1993 Sep) 65 (3) 1335-52.  
Journal code: 0370626. ISSN: 0006-3495.

AU Olson A; Pugh E N Jr

AN 94060263 MEDLINE

L49 ANSWER 31 OF 53 MEDLINE on STN DUPLICATE 18

TI External stimuli and intracellular signalling in the modification of the  
nematode surface during transition to the mammalian host environment.

SO Parasitology, (1993 Dec) 107 ( Pt 5) 559-66.  
Journal code: 0401121. ISSN: 0031-1820.

AU Proudfoot L; Kusel J R; Smith H V; Kennedy M W

AN 94126278 MEDLINE

L49 ANSWER 32 OF 53 MEDLINE on STN DUPLICATE 19

TI Cyclic GMP increases the rate of the calcium extrusion pump in intact  
human platelets but has no direct effect on the dense tubular calcium  
accumulation system.

SO Biochimica et biophysica acta, (1992 Mar 23) 1105 (1) 40-50.  
Journal code: 0217513. ISSN: 0006-3002.

AU Johansson J S; Haynes D H  
AN 92232771 MEDLINE

L49 ANSWER 33 OF 53 MEDLINE on STN  
TI Immunocytology on microwave-fixed cells reveals rapid and agonist-specific changes in subcellular accumulation patterns for cAMP or cGMP.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1990 Feb) 87 (3) 1188-92.  
Journal code: 7505876. ISSN: 0027-8424.  
AU Barsony J; Marx S J  
AN 90138963 MEDLINE

L49 ANSWER 34 OF 53 MEDLINE on STN DUPLICATE 20  
TI Role of intracellular Ca<sup>2+</sup> mobilization in muscarinic and histamine receptor-mediated activation of guanylate cyclase in N1E-115 neuroblastoma cells: assessment of the arachidonic acid release hypothesis.  
SO Molecular pharmacology, (1990 Jun) 37 (6) 860-9.  
Journal code: 0035623. ISSN: 0026-895X.  
AU Surichamorn W; Forray C; el-Fakahany E E  
AN 90294810 MEDLINE

L49 ANSWER 35 OF 53 MEDLINE on STN  
TI Prostaglandin induces Ca<sup>2+</sup> influx and cyclic GMP formation in mouse neuroblastoma X rat glioma hybrid NG108-15 cells in culture.  
SO Journal of neurochemistry, (1988 May) 50 (5) 1418-24.  
Journal code: 2985190R. ISSN: 0022-3042.  
AU Miwa N; Sugino H; Ueno R; Hayaishi O  
AN 88199571 MEDLINE

L49 ANSWER 36 OF 53 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN DUPLICATE 21  
TI ELECTROPHYSIOLOGICAL AND DYE-COUPLED STUDIES ON SECRETORY MYOEPIHELIAL AND DUCT CELLS IN HUMAN ECCRINE SWEAT GLANDS.  
SO Journal of Physiology (Cambridge), (1987) Vol. 389, pp. 461-482.  
CODEN: JPHYA7. ISSN: 0022-3751.  
AU JONES C J [Reprint author]; KEALEY T  
AN 1987:421525 BIOSIS

L49 ANSWER 37 OF 53 MEDLINE on STN DUPLICATE 22  
TI Inhibitory action of cyclic GMP on secretion, polyphosphoinositide hydrolysis and calcium mobilization in thrombin-stimulated human platelets.  
SO Biochemical and biophysical research communications, (1986 Mar 28) 135 (3) 1099-104.  
Journal code: 0372516. ISSN: 0006-291X.  
AU Nakashima S; Tohmatsu T; Hattori H; Okano Y; Nozawa Y  
AN 86186819 MEDLINE

L49 ANSWER 38 OF 53 MEDLINE on STN DUPLICATE 23  
TI In vivo cGMP levels in frog photoreceptor cells as a function of light exposure.  
SO Experimental eye research, (1986 Nov) 43 (5) 729-38.  
Journal code: 0370707. ISSN: 0014-4835.  
AU Barbehenn E K; Klotz K L; Noelker D M; Nelson R; Chader G J; Passonneau J V  
AN 87105687 MEDLINE

L49 ANSWER 39 OF 53 MEDLINE on STN  
TI Rat striatal cyclic nucleotide-reactive cells and acetylcholinesterase reactive interneurons are separate populations.  
SO Brain research, (1984 Mar 26) 296 (1) 160-3.  
Journal code: 0045503. ISSN: 0006-8993.  
AU Ariano M A  
AN 84179923 MEDLINE

L49 ANSWER 40 OF 53 MEDLINE on STN DUPLICATE 24  
 TI Distribution of components of the guanosine 3',5'-phosphate system in rat caudate-putamen.  
 SO Neuroscience, (1983 Nov) 10 (3) 707-23.  
 Journal code: 7605074. ISSN: 0306-4522.  
 AU Ariano M A  
 AN 84068594 MEDLINE

L49 ANSWER 41 OF 53 MEDLINE on STN DUPLICATE 25  
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AB We developed a sensitive and nonradioactive fluorometric assay for cyclic guanosine 3',5'-monophosphate (cGMP). Guanine nucleotides except cGMP were enzymatically phosphorylated to GTP. cGMP, absorbed into a Sep-Pak

amino propyl cartridge, was eluted separately from GTP. Purified cGMP was enzymatically converted to GTP, which was applied to the GTP-GDP cycle using succinic thiokinase and pyruvate kinase. When pyruvic acid produced by the GTP-GDP cycle was reduced by lactate dehydrogenase, a reduced form of nicotinamide adenine dinucleotide (NADH) was equivalently oxidized to NAD(+). NAD(+) was further converted into **fluorescent** compound, which was excited at 370 nm and emitted **fluorescence** at 460 nm, by a strong alkali. When 20 nmol NADH was used for this assay, the calibration curve over 50 to 500 fmol cGMP became sufficiently linear. The **detection** limit for **cGMP** was ca. 5 fmol (signal to noise ratio >3). Using this assay, we confirmed that the cGMP content in the left atrial strip of dog was changed from 11.4 +/- 3.8 to 19.3 +/- 2.6 fmol/mg wet wt of tissue (mean +/- SE, n = 6) by electrical driving at 1 Hz. Carbachol (1 microm) further increased the cGMP to 45.6 +/- 9.2 fmol/mg wet wt of tissue. From these results, it is suggested that this novel assay for cGMP is highly sensitive and can be applied to various biological samples.  
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- L49 ANSWER 13 OF 53 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AB A novel method for the **detection** of **cGMP** production in cerebellar purkinje cells was developed. Visualization of cGMP production in tissue by an imaging method reveals spatial feature of cGMP function and spreading action of nitric oxide (NO) in purkinje cells.
- L49 ANSWER 41 OF 53 MEDLINE on STN DUPLICATE 25  
 AB Cyclic guanosine 3',5' monophosphate (cGMP), cGMP-dependent protein kinase, calmodulin and cyclic adenosine 3',5' monophosphate (cAMP) were localized in the uterus of the immature rat by an indirect immunofluorescence technique. **cGMP**, **cGMP**-dependent protein kinase and calmodulin were **detected** predominantly along epithelial and myometrial plasma membranes and in the adjacent cytoplasm. In contrast, cAMP immunoreactive material was found principally in the cytoplasm of connective tissue. After administration of 17 beta-estradiol, similar time-dependent changes were observed in the localization of cGMP, cGMP-dependent protein kinase and calmodulin in all uterine cell types. For the three compounds, nucleolar-like distribution of the immunofluorescence appeared approximately 12 h after treatment. A more dispersed, reticular distribution of the nuclear **fluorescent** staining was observed 20-24 h after hormonal treatment. Estrogen did not affect the localization of cAMP. The simultaneous mobilization of cGMP, cGMP-dependent protein kinase and calmodulin towards the same nuclear loci suggests concerted roles for these three molecules in nuclear metabolic processes during the development of the uterotrophic action of estrogens.
- L49 ANSWER 46 OF 53 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 27  
 AB Sodium valproate which seems to have an inhibitory effect on GABA-T and on succinic semialdehyde-dehydrogenase was shown to cause an increase in cerebral GABA (gamma-aminobutyric acid) concentration in animal studies. The present investigations were performed to examine whether a possible influence on the cerebral GABA and dopamine metabolism and on the cyclic 3',5'-adenosine-monophosphate (cAMP) and cyclic 3',5'-guanosine-monophosphate (**cGMP**) system may be **detectable** in human beings. For this purpose the concentrations of GABA, homovanillic acid (HVA), prolactin, cAMP and **cGMP** were measured using GC-MS **detection** for GABA determination, radio-immunoassays for the measurements of cAMP, **cGMP** and prolactin and **fluorescence detection** for quantification of homovanillic acid. Before and after a three week period of treatment with valproate CSF was obtained by lumbar puncture. The results indicated a significant elevation of GABA, cAMP and homovanillic acid and a slight increase of cGMP in CSF after treatment with valproate, whereas no changes were observed in plasma prolactin, cAMP and cGMP concentrations. Thus

valproate seems to have an influence on GABA and dopamine metabolism and on the CAMP-system in man.

=> log y

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